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(54) **SMART REMOTE MONITORING SYSTEM AND METHOD**

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(52) **U.S. Cl.** **702/188**; 702/62; 702/99; 702/108; 702/122; 702/182; 702/185

(58) **Field of Search** ..... 702/60–64, 99, 702/108, 113, 114, 117, 118, 121, 122, 182–185, 130–132, 30–32, FOR 103, FOR 104, FOR 106, FOR 111–112, FOR 119, FOR 116, FOR 123–124, FOR 130, FOR 134–135, FOR 142, FOR 170–171; 340/870.01, 870.02, 870.03, 500, 514, 516, 825.69, 825.72, 572.1; 700/286, 291, 295, 277, 278

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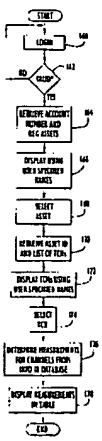
(57) **ABSTRACT**

A remote monitoring system includes transducers, a transducer control module, a communications device, a monitoring system and end-user display terminals. The transducers are disposed on the property and/or equipment in a manner to measure specific characteristics or parameters and communicate with the transducer control module via a wireless communication protocol. The transducer control module receives and analyzes transducer measurements and detects alarm conditions. The transducer control module communicates with the monitoring system via a wide area network and the communications device. The monitoring system receives, stores and analyzes information received from the transducer control module and reports the information to the end-user terminals via a wide area network, such as the Internet, in response to user requests.

99 Claims, 9 Drawing Sheets



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